

<u>Docket No</u>: MS1-1070US <u>Inventor(s)</u>: Jered Aasheim, et al. <u>Title</u>: Dynamic Data Structures for Tracking Data Stored in a Flash Memory Device Replacement Sheet

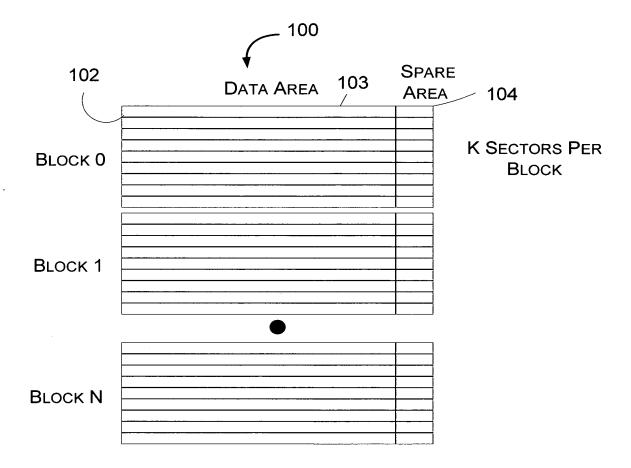


Fig. 1

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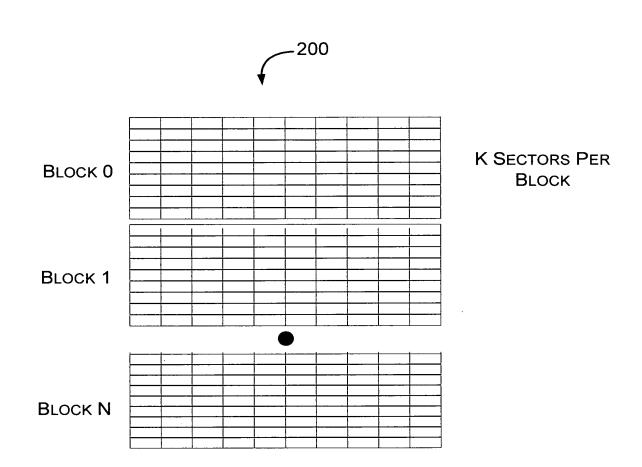


Fig. 2



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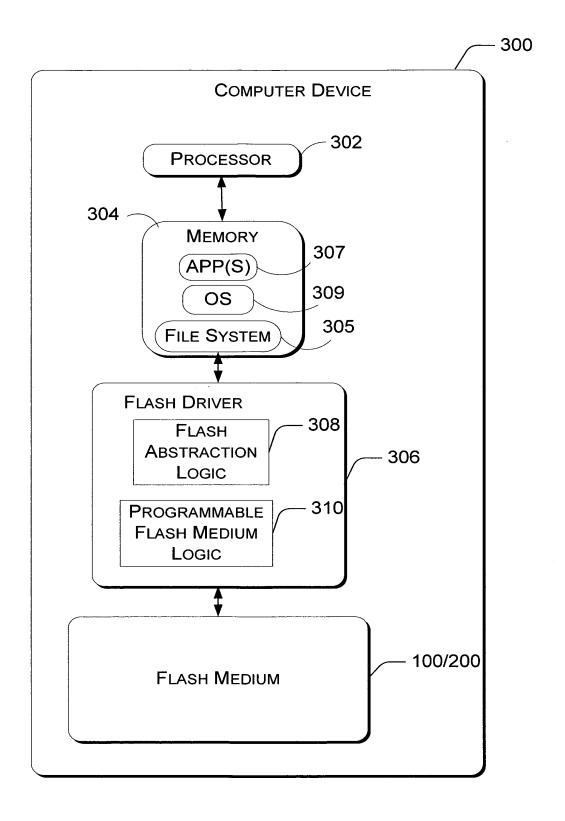


Fig. 3



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Replacement Sheet

308

LOGICAL-TO-**SECTOR** PHYSICAL MANAGER **SECTOR MAPPING** <u>402</u> <u>404</u>

COMPACTOR

406

Fig. 4

310

PROGRAMMABLE ENTRY POINTS 502

I/O [READ, WRITE, ERASE] <u>504</u>

ERROR CODE CORRECTION <u>506</u>

Fig. 5

600A

LOGICAL **PHYSICAL SECTOR SECTOR** <u>604</u> <u>602</u> 11 0 12 1 36 2 3 Ν

Fig. 6A

600B

| PHYSICAL | LOGICAL | |
|----------|----------|----------|
| SECTOR | SECTOR | |
| 0 | 11 DIRTY | <u> </u> |
| 1 | 12 |] ` |
| | 36 | |
| 2 | 11 | |
| • | | |
| • | | - |
| • | | 1 |
| N | | |

Fig. 6B

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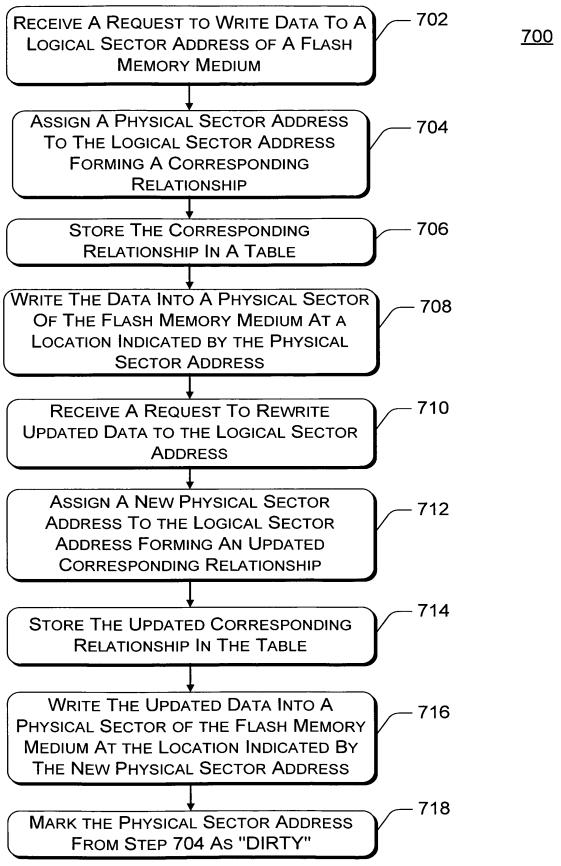


Fig. 7

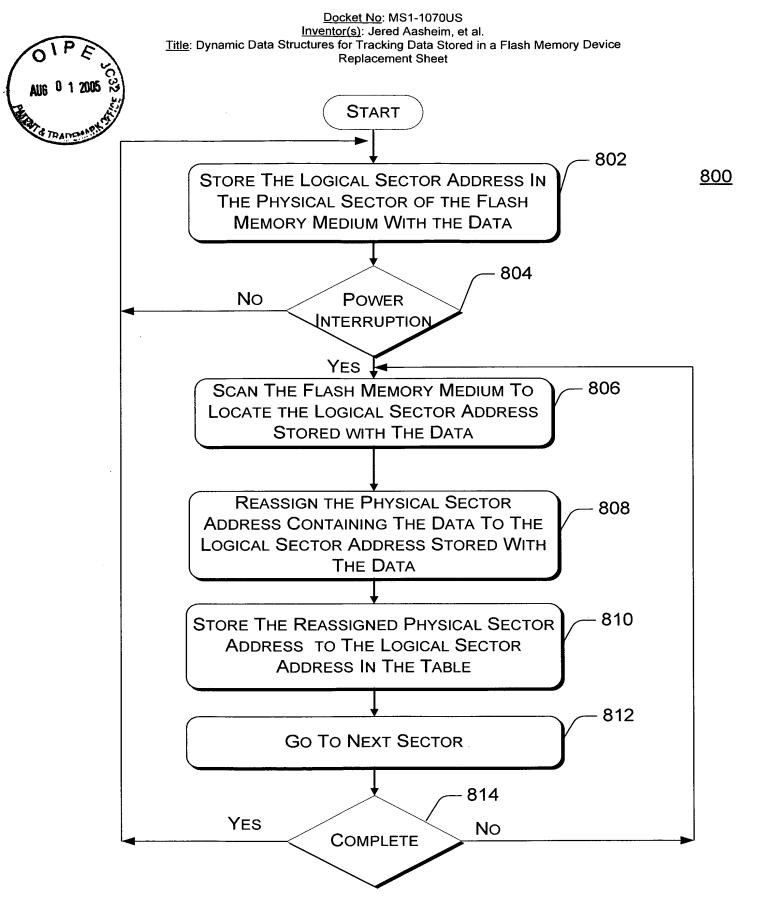


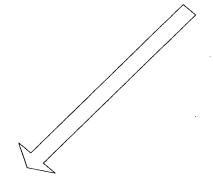
Fig. 8

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SECTOR



. 0123456789101112131415

Fig. 9



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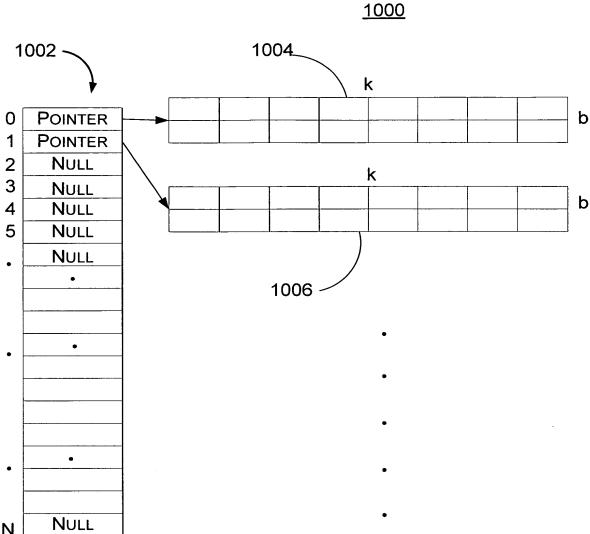


Fig. 10



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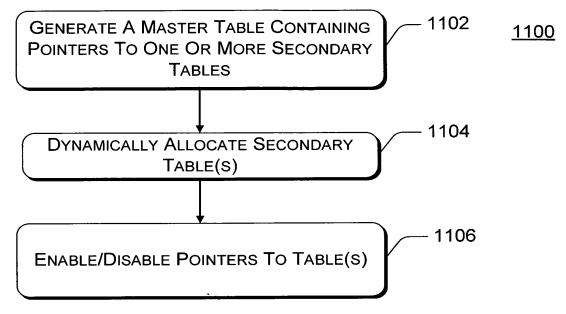


Fig. 11

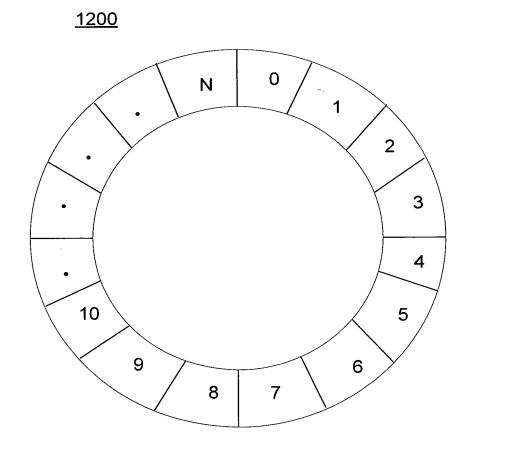


Fig. 12



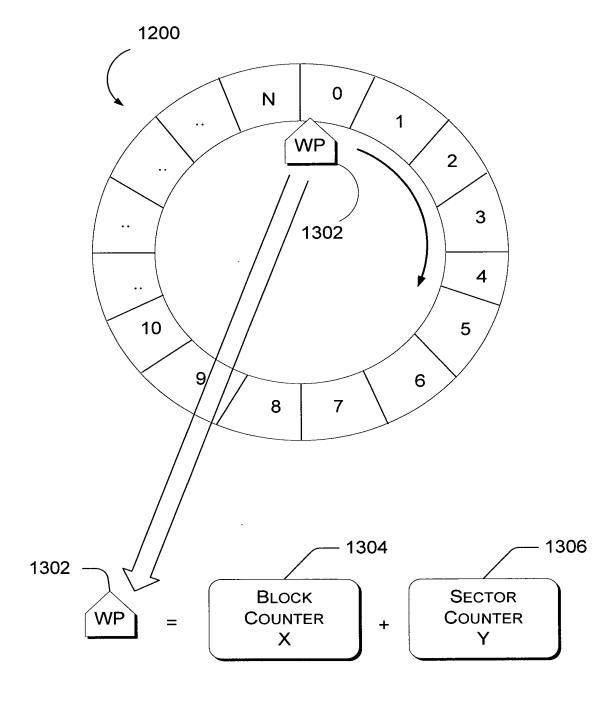
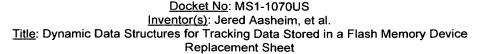


Fig. 13





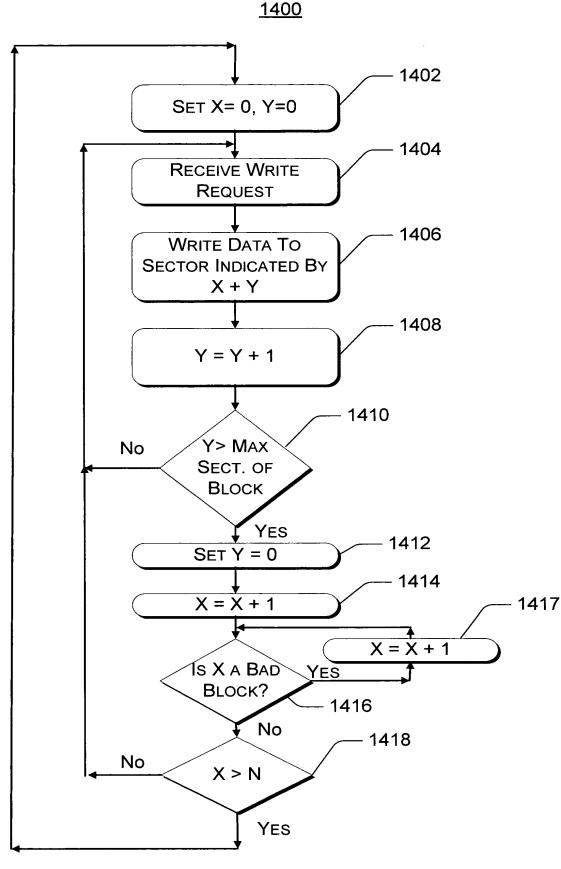


Fig. 14



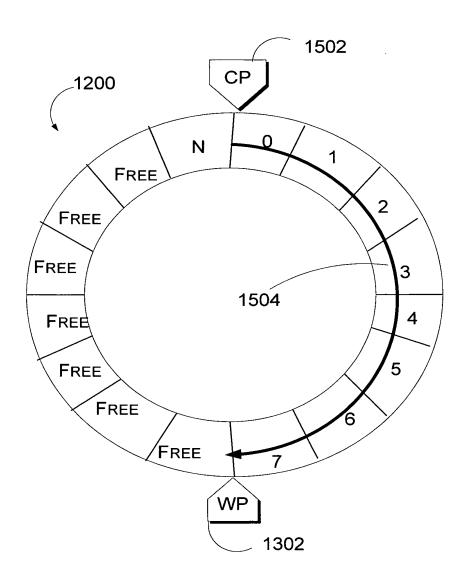
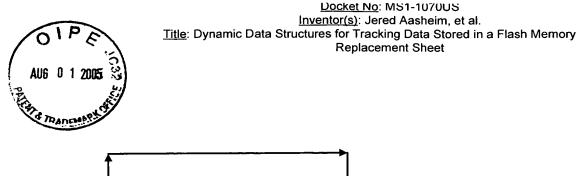


Fig. 15

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<u>1600</u>



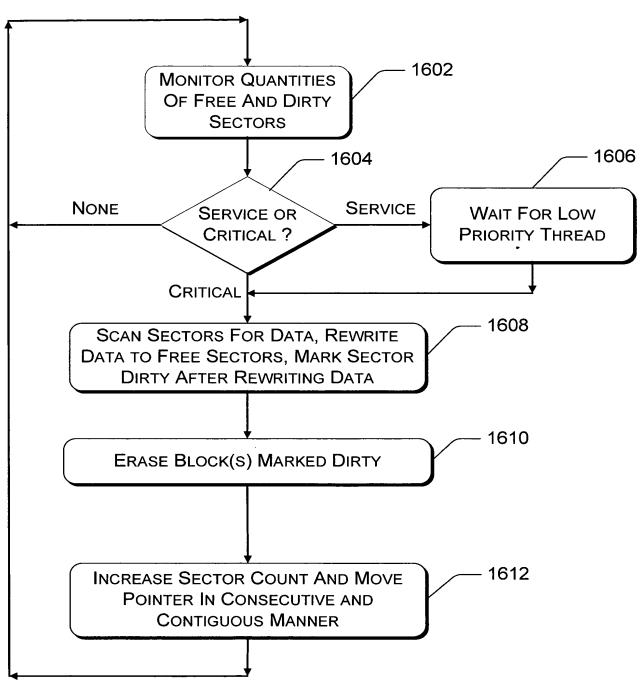


Fig. 16



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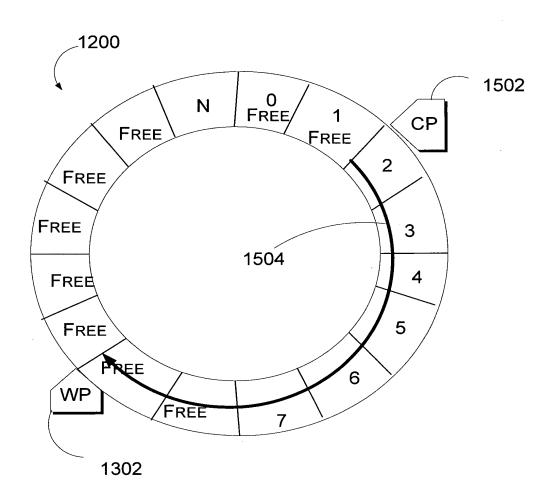


Fig. 17

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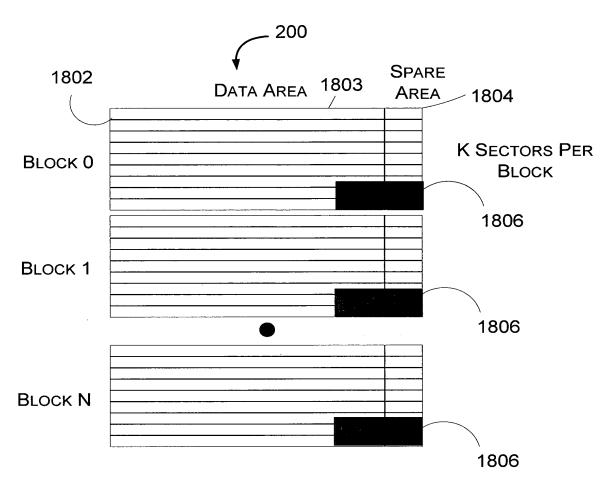


Fig. 18